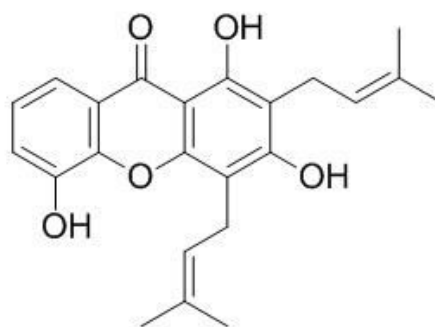


8-Deoxygartanin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 8-Deoxygartanin**Catalog No.:** CFN98427**Cas No.:** 33390-41-9**Purity:** > 95%**M.F:** C₂₃H₂₄O₅**M.W:** 380.4**Physical Description:** Yellow powder**Synonyms:** 1,3,5-Trihydroxy-2,4-bis(3-methyl-2-butenyl)xanthone.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The stem bark of *Garcinia mangostana*.

[Biological Activity or Inhibitors]

8-Deoxygartanin inhibits p65 activation with IC₅₀ values of 11.3 microM.^[1]

8-Deoxygartanin has cytotoxic effect on human melanoma cells, it is a potential candidate as anti-melanoma agents.^[2]

8-Deoxygartanin is a butyrylcholinesterase (BChE) selective inhibitor. ^[3]

8-Deoxygartanin exhibits significant inhibition of self-induced β -amyloid (A β) aggregation, it has multifunctional activities against Alzheimer's disease (AD) and could be promising compounds for the therapy of AD.^[4]

8-Deoxygartanin has antiplasmodial activity against the W2 strain of Plasmodium falciparum which is resistant to chloroquine and other antimalarial drugs.^[5]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[6]

Mobile phase: Methanol-0.1% Formic acid in water, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Han A R, Kim J A, Lantvit D D, *et al. J. Nat. Prod.*, 2009 Nov; 72(11): 2028-31.

[2] Wang J J, Sanderson B J, Zhang W. *Food Chem. Toxicol.*, 2011 Sep; 49(9): 2385-91.

[3] Khaw K Y, Choi S B, Tan S C, *et al. Phytomedicine*, 2014, 21(11): 1303-9.

[4] Wang S N, Li Q, Jing M H, *et al. Neurochem. Res.*, 2016 Jul; 41(7): 1806-17.

[5] Saravanan S, Islam V I H, Babu N P, *et al. Eur. J. Pharmaceut. Sci.*, 2014, 56(1): 70-86.

[6] Dharmesh S, Nanjarajurs S, Bhimangouder S, *et al. International Journal of*

Biotechnology for Wellness Industries, 2015, 3(4):111-20.

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